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TITLE: Controller for automatic vending machine has calculating
                unit which executes rearrangement program for data
                reallocation based on previous and new data distribution
                information before control program execution

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PRIORITY-DATA: 1998JP-0343215 (December 2, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2000172917 A	June 23, 2000	N/A	008	G07F 009/00

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP2000172917A	N/A	1998JP-0343215	December 2, 1998

INT-CL (IPC): G07F005/22, G07F009/00

ABSTRACTED-PUB-NO: JP2000172917A

BASIC-ABSTRACT:

NOVELTY - A rearrangement program (51) which reallocates the predetermined data
based on the previous data distribution information (132) and new data
distribution information (52), is stored in a memory card (5). A calculation
unit executes the rearrangement program before the execution of a second
control program.

DETAILED DESCRIPTION - The controller (1) includes an static random access
memory (SRAM) (13) which stores data distribution information. The memory card
which stores the rearrangement program, the new data distribution information,
a rewriting program (53) and a new system program (54), connects to the
internal bus (15) of the controller. The control program (121) of a flash
memory (12) is rewritten into the new system program by executing the rewriting
program.

USE - For automatic vending machine.

ADVANTAGE - Enables simple and flexible rewriting of control program for
automatic vending machine since existing data distribution is not limited in

case of production of second control program.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of automatic vending machine controller.

Controller 1

Memory card 5

Flash memory 12

SRAM 13

Internal bus 15

Rearrangement program 51

New data distribution information 52

Rewriting program 53

New system program 54

Control program 121

Previous data distribution information 132

CHOSEN-DRAWING: Dwg.1/10

DERWENT-CLASS: T01 T05

EPI-CODES: T01-F06; T01-J05A; T05-H04; T05-H08C;